DERWENT-ACC-NO: **2006-518107**

DERWENT-WEEK: 200653

TITLE: Aluminum powder coated with platinum nanoparticles useful for conductive material of lithium battery, and method for preparing the same

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PRIORITY-DATA: 2004KR-0044769 (June 17, 2004)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2005119705 A	December 22, 2005	N/A	000	H01M 004/46

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR2005119705A	N/A	2004KR-0044769	June 17, 2004

INT-CL (IPC): H01M004/46

ABSTRACTED-PUB-NO: KR2005119705A

BASIC-ABSTRACT:

NOVELTY - Provided is aluminum powder coated with platinum nanoparticles, which imparts a lithium battery with high conductivity while not increasing the weight of the battery significantly, and induces electrochemical reactions effectively.

DETAILED DESCRIPTION - The aluminum powder is coated with platinum nanoparticles on the surface thereof. The aluminum powder has an average particle diameter of 1-10 micrometers. The platinum nanoparticles have an average particle diameter of 1-100 nm. The aluminum powder is obtained by the method comprising the steps of: mixing slurry containing platinum nanoparticles with aluminum powder; and drying the resultant mixture.

USE - **Aluminium** powder **coated with nanoparticles** for lithium battery

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ALUMINIUM POWDER COATING PLATINUM USEFUL CONDUCTING

MATERIAL
LITHIUM BATTERY METHOD PREPARATION

DERWENT-CLASS: L03 X16

CPI-CODES: L03-E01B5; L03-E01B8;

EPI-CODES: X16-A02A; X16-B01F1; X16-E01C;

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C2006-162152